

What is claimed:

1. An internet-based method for a service to chronically connect a remote patient to a database network for medical device data exchange and review comprising:
  - providing a web-site having a user interface wherein the user interface includes a secure sign-in input to access the database network site;
  - receiving at the web-site inputs associated with a specific medical device and patient;
  - confirming the identity of the medical device and the patient; and
  - enabling the patient to access the database to use the service.
2. The method of claim 1 wherein the medical device data exchange and review further comprises at least one of the processes of:
  - uploading the medical device data into the database; and
  - accessing the medical device data in the database via a secure web site.
3. The method of claim 1 wherein said website includes a proxy right access scheme to provide privileged access to a patient's data by friends and family.
4. An internet-based method for a service to enable a nurse practitioner to access a secure web-site to respond to a notification of an event relating to a remote patient, the method comprising:
  - alerting the nurse to an event using an event service; and
  - enabling the nurse to execute secure access to the patient's database in a single sign-on action.
5. The method of claim 4, wherein said single sign-on action includes authentication to a foreign web-site that is passed over to access the secure patient database.

6. An internet-based method for a service to enable a doctor to access a rendered page about conditions of a patient, the method comprising:

alerting a physician about a patient's condition; and

allowing the physician to access the patient's database and wirelessly pull up a page so that the physician's receipt of a report summarizing the patient's condition is confirmed.

7. The method according to claim 7 wherein a patient management network includes the ability to push out the fully rendered page containing patient information and device information to wireless devices and is represented as a complete page replicating a presentation similar to a website page display.

8. The method according to claim 6 wherein said wireless pull-up includes implication of one of a Microsoft pocket PC technology and equivalent.

9. The method according to claim 6 wherein the physician can transcribe a voice message back to the patient and can optionally copy the message to other professionals.

10. The method according to claim 9 wherein the patient is notified about the physician's message upon the patient's home connect receiving the message.

11. An internet-based method for a service to connect a remote patient's friend or family member to a database network for medical device exchange and review comprising:

identifying a friend or family member authorized to access the database network; and/or

sending notification of a patient alert to said friend or family member.

12. The method according to claim 11 wherein said notification is sent via an E-mail to alert said friend or family member wherein a URL is enclosed in the E-mail to

enable secure access of the patient database to the recipient after proper authentication.

5 13. A computer implemented business method for generating very high relevance personalized patient databases, comprising the steps of:

- a. providing a medical device to a patient in which the medical device senses very particular data concerning at least one monitored disease related symptom;
- b. enabling the medical device to sense the desired signals and re-transmit the signals electronically to a remote data analysis module; and
- 10 c. automatically processing the sensed signals to determine whether health-related action is recommended as a consequence of the sensed signals.

14. The method of claim 13 further comprising the step of automatically alerting at least the patient and a healthcare provider that action is recommended.

15 15. The method of claim 13 further comprising the step of providing data to a remote healthcare professional.

20 16. The method of claim 15 further comprising the step of activating a voice message and email format back from the healthcare professional to the patient.

17. A computer implemented method for improved data management in the healthcare industry by increasing patient engagement with recommended healthcare delivery modalities, comprising the steps of:

- 25 a. providing an implanted medical device configured for automatic sensing of high relevance biologic data of the patient and transmitting that data, or portions thereof, to an information parser of the healthcare professional;
- b. configuring a patient accessible electronic interface to receive signals representative of sensed high relevance biological data of the patient;
- 30 c. providing selectively programmable computer implemented rapid interpretations of the sensed high relevance biologic data and, when indicated, electronically sharing with the healthcare professional the details of the sensed high

relevance biological data without resort to personal contact or face to face meeting between the healthcare professional and the patient; and

d. providing information flow paths for the healthcare professional to further contribute to the knowledge database and patient engagement by offering the patient and a patient's designated advocate direct information about the high relevance biologic data thereby actively engaging the patient in a highly content rich yet efficient manner.

18. A computer implemented internet-based method for an improved connect and monitoring service to rapidly connect remote persons to a database network for medical device data exchange and analysis, said method being characterized in that it comprises:

providing a web-site having a user interface wherein the user interface includes a secure sign-in input to access a database network site;

receiving at the web-site automatic inputs associated with a specific medical device and user of the device;

automatically confirming the identity of the medical device and the user; and enabling the user to access the database via the web-site to use the service for real time monitoring of high relevance physiologic data mined from all monitored data of the user.

19. The method of claim 18 wherein said web-site further includes a proxy right access scheme to provide privileged access to a user's data by friends or family as programmed.

20. A computer implemented internet-based method for improved user compliance within a medical patient management system in which the system automatically determines which connection protocols to follow to rapidly connect one or more remote persons to a database network for medical device data exchange and analysis under certain conditions, said method being characterized in that it comprises:

providing a web-site having a user interface wherein the user interface includes a secure sign-in input protocol to access a database network site;  
receiving at the web-site automatic inputs associated with a specific medical device and user of the device;  
5 automatically confirming the identity of the medical device and the user; and  
performing computer implemented analyses to determine which user groups to rapidly and selectively automatically access the database via the web-site for receipt of high relevance physiologic data mined from all monitored data of the user.

10 21. The computer implemented internet-based method for improved user compliance of claim 20 further comprising:  
alerting a select group of medical providers to an event using an event service;  
and  
enabling the select group of medical providers to execute secure access to the  
15 device user's database in a single sign-on action per user in the group.

20 22. The method of claim 21, wherein said single sign-on action includes authentication to a foreign web-site that is passed over to access the secure device user's database.

25 23. The method of claim 20 further characterized by computer implemented automatic formatting of automatically processed high relevance data mined from all detected data, and electronically pushing the formatted data to an electronic display of at least one member of a group of medical providers whereby at least one of the group of medical providers selectively provides commentary and then directs a data  
transmission back via the web site to the user of the medical device, to a designated advocate of the user of the medical device, and, optionally, to another member of a medical providers group.

30 24. A computer implemented patient management network configured for implementing the method of automatically determining which connection protocols to follow to rapidly connect one or more remote persons to a database network for

